SEA LEVEL TRENDS using the NASA SEA LEVEL PORTAL

CLICK HERE TO ACCESS PORTAL

The purpose of this lab is to use the NASA Sea Level Portal to explore sea level heights over time from a specific area in addition to global sea level height anomalies from a specific month.

1) 2pts Produce a time series of sea level from an area averaged region in the east Caribbean from 1. Must show the region outline.
2) 2pts Produce a time series of BOTH the sea level and sea surface height on the same plot.
3) 2pts What is the decadal trend for each?
4) 2pts Produce a scatter plot between sea surface temperature and sea level height from Oct 1992 to Mar 2018. Compare the relationship between the two. What is the relationship?
5) 2pts Produce a global map of Sea Level Anomaly from Feb. 2020. What explains the spatial variability seen in the NW Atlantic?

Recall that you were given the option to complete the lab in class with support for full credit. Failure to complete the lab in class results in a written assignment. You will notice that the directions are sparse for this lab. As mentioned in class, the written lab would be more difficult forcing you to explore the portal on your own to produce the outputs above.

DUE DATE NOV. 30th, 2022.